

so that they can reach far and wide for moisture.

#### Dry Farm Wheat.

Wheat is now and perhaps always will be the principal arid farm crop. Fall wheat is always preferable to spring wheat. From two to three pecks an acre sown with a press drill gives better results than more thickly sown grain. Broadcasting grain is not satisfactory in any way. During four years of trial on the various arid experimental farms in this state, the Turkey Red wheat has given the best yields of good quality wheat. It is considered the standard of milling wheats in the great northwest. The Koffoid wheat also is an excellent variety and during the years of trial has stood all the tests and yielded good crops when most other varieties have failed. It combines the qualities of high yield, good quality, stiff straw, does not shell easily and stands frost and drought well. Other good varieties are Winter Lasalle, Odessa, Gold Coin, Blue Stem, and Red Chaff. The Durum wheats take the lead as spring wheats. They are adapted to grow in soil rich in plant food and in a cli-

mate that is hot and dry. Other good spring wheats are Sonora and New Zealand.

#### Winter Oats Best.

Oats is now considered a good arid farm crop. The only drawback has been spring oats. About three years ago Mr. Stephen Boswell, of Nephi, Utah, imported some seed of a fall variety from Europe, which has since proven a great success and is the best we have today. It is called the Boswell winter oats.

#### Diversified Cropping.

Alfalfa, field corn, brome grass, potatoes, etc., also give excellent results on arid farms. Alfalfa should be sown with a drill at the rate of about 8 pounds an acre. A disc run over the field every spring will be found beneficial. Corn and potatoes should be planted in check-rows, the cultivation should be flat and not ridged, as less water will be lost in this way. Brome grass is by far the best grass grown on arid land. It is sown broadcast in the spring at the rate of from 15 to 20 pounds an acre. It may be used either for pasture or for hay. The hay is of excellent quality and is relished by all farm animals.

#### UTAH'S RESOURCES.

Booklet Issued by State Commission for Exposition Contains Valuable Data.

Gives Figures that Do Not Lie.—Record of Marvelous Progress and Development.

"Utah—A Place of Abundant Opportunities for Prosperity in Business, Industrial and Home Life," is a title of a little booklet issued by the Utah commission for the Alaska-Yukon-Pacific exposition. The pamphlet is a compendium of information about the state, its resources, its development. It is illustrated throughout and has a neat cover, bearing, in tint, a picture of the Wasatch peaks and the sego lily. The photographs of the more prominent buildings give one an idea of the architecture of the state.

The text is a comprehensive summary of Utah's unlimited resources. Here are a few sentences selected from the fifty pages of the booklet:

During 1908 thirteen Utah mines paid aggregate dividends of \$5,537,716, and this is but a fair beginning which will be eclipsed in 1909.

The International Smelting and Refining company is building in Tooele county, thirty miles from Salt Lake City, a plant that will cost \$8,000,000.

During 1907 and 1908, 3,812,000 tons of coal were taken from Utah mines, the retail price of this product exceeding \$21,000,000.

Iron county has the greatest iron deposits in the world. A Pennsylvania expert estimates the body of iron ore in one section of this county at 400,000,000 tons.

#### Heavy Bank Clearings.

The bank clearings in the past five years—1904-5-6-7-8—aggregated more than \$1,300,000,000; the savings deposits of the people at the end of 1908 aggregated \$15,000,000, or nearly \$42 per capita, and have been augmented considerably in 1909.

The jobbing trade in Salt Lake City in 1907 and 1908 exceeded \$50,000,000 for each year, while Ogden came close to \$25,000,000 for the same period.

Utah has 21,900 farms covering a combined area of 2,114,364 acres; this is out of an approximate cultivable area of 20,000,000 acres.

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The value of farm, fruit and garden crops in 1908 exceeded \$30,000,000; in addition to this, the wool clip and range stock sold realized more than \$7,000,000. At present there is more than \$20,000,000 private capital invested in irrigation works in Utah. (This does not take account of the government projects.)

#### Sugar and Grains

Beet sugar.—Total acres planted 1908, 31,580; paid farmers for beets, \$1,837,750; value of refined sugar, 4½ cents per pound, \$4,095,000.

In 1908 there were in Utah 408,660 head of cattle, 122,347 horses and mules and 63,618 hogs, an increase of 50 per cent in five years.

In 1908 Utah had 2,857,314 sheep, with a total value of \$11,143,525, and a wool clip which brought \$3,000,000.

In the year 1908 Utah had 27,668 acres of land devoted to horticulture, with a product valued at \$1,693,000, or an average of \$61.16 per acre.

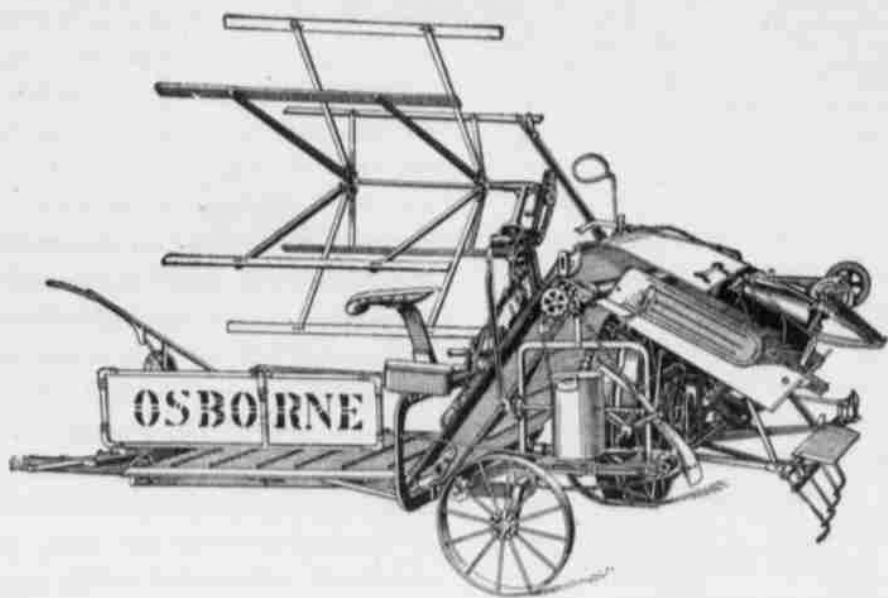
The wheat yield of Utah in 1908 was 6,072,220 bushels, bringing 78 to 90 cents the bushel to the growers; 75 per cent of this was shipped to points outside the state. Oats, 2,110,920 bushels, ranging at about the same price as wheat. Barley, 326,910 bushels. Corn, 360,160 bushels. Rye, 78,000 bushels. Potatoes yielded 2,040,000 bushels, at a market value of more than \$1,000,000.

Utah dairy products in 1908 exceeded \$2,000,000 in value; dairy farm property exceeds \$5,000,000; annual butter product, 6,000,000 pounds, and cheese, 2,000,000 pounds.

The output of honey in 1908 was 1,500,000 pounds.

The value of poultry and poultry products in 1908 was approximately \$600,000.

During the past eight years \$1,736,463.23 has been expended in the state for new school buildings; the valuation of public school property in 1908 was \$3,398,565.89.



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